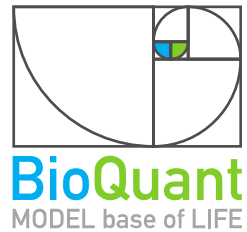


Retreat of the Research Training Group “Mathematical Modeling for the Quantitative Biosciences”



Date: 20th November 2019

Location: **Mathematikon 205 INF Konferenzraum 5. OG**

Organizer: Justin Grewe, justin.grewe@bioquant.uni-heidelberg.de

Time

- | | |
|----------------|---|
| 9:45 – 10:00 | Introduction
Prof. Dr. Anna Marchiniak-Czochra |
| 10:00 – 11:00 | BioQuant Special Seminar
<i>Getting into Shape: intracellular dynamics coupled to cell shape changes triggers emergent cell responses</i>
Dr. Athanasius F. M. (Stan) Marée, <i>John Innes Centre, Norwich, GB</i> |
| 11:00 – 11:15 | Coffee |
| 11:15 – 11:45 | <i>Mathematical modeling of the Hippo signaling pathway</i>
Lilija Aprupe (AG Kummer) |
| 11:45 – 12:15 | <i>Case-control analysis of hematopoietic challenges at single-cell resolution</i>
Alessandro Greco (AG Höfer) |
| 12:15 – 13:45 | Lunch – Zentralmensa |
| 13:45 – 14:15 | <i>Mathematical modeling of stem cell dynamics during post-embryonic organ growth</i>
Diana-Patricia Danciu (AG Marciniak-Czochra) |
| 14:15 – 14:45 | <i>Force-dependent self-assembly of non-muscle myosin II</i>
Justin Grewe (AG Schwarz) |
| 14:45 – 15:15 | <i>Regulation of cell-to-cell variability in prokaryotes</i>
Benedikt Steinfeld (AG Bischofs) |
| Starting 15:15 | Coffee + Discussions |